BBA

Lipids and Lipid Metabolism

Vol. 1126, 1992

Cumulative Contents

Review

Activator proteins and topology of lysosomal sphingolipid catabolism
W. Fürst and K. Sandhoff (Germany) 1

Regular Papers

Desaturation of linoleic acid in the small bowel is increased by short-term fasting and by dietary content of linoleic acid
M.L. Garg, M. Keelan, A.B.R. Thomson and M.T. Clandinin (Canada) 17

Effect of pulmonary surfactant protein B (SP-B) and calcium on phospholipid adsorption and squeeze-out of phosphatidylglycerol from binary phospholipid monolayers containing dipalmitoylphosphatidylcholine
S.-H. Yu and F. Possmayer (Canada) 26

Biliary excretion of chenodeoxycholyllysylrhodamine in Wistar rats: a possible role of a bile acid as a carrier for drugs
C.O. Mills and E. Elias (UK) 35

Inhibition of the accumulation of lipid droplets in macrophage J774 by bafilomycin B_1 and destruxin E
S. Naganuma, N. Kuzuya, K. Sakai, K. Hasumi and A. Endo (Japan) 41

Incorporation of dietary oleate, linoleate, α-linolenate and eicosapentaenoate into the plasma lipid fractions of four strains of rat
R.A. Gibson, M.J. James, M.A. Neumann, J.S. Hawkes and L.G. Cleland (Australia) 49

Pathogenesis of lithocholate-induced intrahepatic cholestasis: role of glucuronidation and hydroxylation of lithocholate
D.D. Vu, B. Tuchweber, G.L. Plaa and I.M. Yousef (Canada) 53

Moderate oxidation of hypertriglyceridemic low-density lipoprotein causes apolipoprotein B epitope change and enhances its uptake by macrophages
Y. Ishikawa, H. Inadera, K. Shirai, H. Hashimoto, I. Fukamachi, Y. Saito and S. Yoshida (Japan) 60

Effects of sphingomyelin and phosphatidylcholine acyl chains on the clearance of triacylglycerol-rich lipoproteins from plasma. Studies with lipid emulsions in rats
T.G. Redgrave, V. Rakic, B.-C. Mortimer and J.C.L. Mamo (Australia) 65

High density lipoprotein mediates selective reduction in cholesteryl esters from macrophage foam cells
A. Miyazaki, A.T.M.A. Rahim, T. Ohta, Y. Morino and S. Horiuchi (Japan) 73

Increased cholesterol synthesis in Chinese hamster ovary cells deficient in peroxisomes
G.P.H. Van Heusden, J.R.C.M. Van Beckhoven, R. Thieringer, C.R.H. Raetz and K.W.A. Wirtz (Netherlands, USA) 81

Solubilization and partial purification of constituents of acyl-CoA elongase from *Lunaria annua*
E. Fehling, R. Lessire, C. Cassagne and K.D. Mukherjee (Germany, France) 88

Competitive inhibition of lipolytic enzymes VIII: inhibitor-induced aggregation of porcine pancreatic phospholipase A_2
A.M.T.J. Deveer, A.T. Den Ouden, M. Vincent, J. Gallay, R. Verger, M.R. Egmond, H.M. Verheij and G.H. De Haas (Netherlands, France) 95

Isolation and partial characterization of lipoprotein A-II (LP-A-II) particles of human plasma
E.D. Bekaert, P. Alaupovic, C. Knight-Gibson, R.A. Norum, M.J. Laux and M. Ayrault-Jarrier (USA, France) 105

Subcellular localization of squalene synthase in human hepatoma cell line Hep G2
L.H. Cohen, M. Griffioen, C.W.T. Van Roermund and R.J.A. Wanders (Netherlands) 114

Regular Papers

Unsaturated and branched chain-fatty acids in temperature adaptation of *Bacillus subtilis* and *Bacillus megaterium*
M. Suutari and S. Laakso (Finland) 119

Polyunsaturated fatty acid incorporation into plasmalogens in plasma membrane of glioma cells is preceded temporally by acylation in microsomes

S.E. Thomas, S.J. Morris, Z. Xu, D.M. Byers, F.B.S.C. Palmer, M.W. Spence and H.W. Cook (Canada) 125

Solubility of long-chain fatty acids in phosphate buffer at pH 7.4
H. Vorum, R. Brodersen, U. Kragh-Hansen and A.O. Pedersen (Denmark) 135

Effect of the human cholesteryl ester transfer protein on the particle size redistribution of specific subpopulations of high density lipoproteins-3
L. Lagrost (Australia) 143

Characterization of a bile salt-dependent cholesteryl ester hydrolase activity secreted from HepG2 cells
K.E. Winkler, E.H. Harrison, J.B. Marsh, J.M. Glick and A.C. Ross (USA) 151

Dramatic differences in lipoprotein composition among gray short-tailed opossums (*Monodelphis domestica*) fed a high cholesterol/saturated fat diet
D.L. Rainwater and J.L. VandeBerg (USA) 159

The intracellular storage and turnover of apolipoprotein B of oxidized LDL in macrophages
W. Jessup, E.L. Mander and R.T. Dean (Australia) 167

Antioxidant activity of xanthophylls on peroxyl radical-mediated phospholipid peroxidation
B.P. Lim, A. Nagao, J. Terao, K. Tanaka, T. Suzuki and K. Takama (Japan) 178

Effect of high levels of selected dietary essential amino acids on hypercholesterolemia and down-regulation of hepatic LDL receptors in rabbits
E.M. Kurowska and K.K. Carroll (Canada) 185

Synthesis of platelet activating factor and metabolism of related lipids in embryonic cells
K.P. Chepenik and R.L. Wykle (USA) 192

Evidence for mechanisms of the hypotriglyceridemic effect of $n-3$ polyunsaturated fatty acids
M.E. Surette, J. Whelan, K.S. Broughton and J.E. Kinsella (USA) 199

Inhibition of phospholipase A_2 by *cis*-unsaturated fatty acids: evidence for the binding of fatty acid to enzyme
R. Raghupathi and R.C. Franson (USA) 206

Metabolism in vivo of [^{14}C]oleic acid and [^{3}H]retinol of lipid-poor and lipid-rich chyle
P. Tso and Å. Nilsson (Sweden) 215

Biosynthesis and chemical synthesis of carboxyl-linked glucuronide of lithocholic acid
I. Panfil, P.A. Lehman, P. Zimniak, B. Ernst, T. Franz, R. Lester and A. Radominska (USA, Switzerland) 221

Identification of 7α-hydroxy-3-oxo-4-cholestenoic acid in chronic subdural hematoma
K. Nagata, K. Takakura, T. Asano, Y. Seyama, H. Hirota, N. Shigematsu, I. Shima, T. Kasama and T. Shimizu (Japan) 229

Reversibility of the effects of dietary fish oil on the fatty acid composition of the brain and retina of growing chicks
G.J. Anderson, S. Van Winkle and W.E. Connor (USA) 237

Regular Papers

Dietary supplementation with coenzyme Q_{10} results in increased levels of ubiquinol-10 within circulating lipoproteins and increased resistance of human low-density lipoprotein to the initiation of lipid peroxidation
D. Mohr, V.W. Bowry and R. Stocker (Australia) 247

Tumor accumulation of novel RES-avoiding liposomes
N. Oku, Y. Namba and S. Okada (Japan) 255

Biosynthesis of prostaglandins from 17(18)epoxyeicosatetraenoic acid, a cytochrome *P*-450 metabolite of eicosapentaenoic acid
E.H. Oliw, S. Okamoto, L. Hörnsten and F. Sato (Sweden, Japan) 261

Cultured oligodendrocytes metabolize a fluorescent analogue of sulphatide; inhibition by monensin
J.P. Vos, M.L. Giudici, L.M.G. Van Golde, A. Preti, S. Marchesini and M. Lopes-Cardozo (Netherlands, Italy) 269

Possible influence of lysophospholipase on the production of 1-acyl-2-acetylglycerophosphocholine in macrophages
Y. Nakagawa, M. Sugai, K. Karasawa, A. Tokumura, H. Tsukatani, M. Setaka and S. Nojima (Japan) 277

Purification of a phosphatidylinositol/phosphatidylcholine transfer protein from *Neurospora crassa*
J. Basu, M. Kundu and P. Chakrabarti (India) 286

Modulation of sphingomyelinase-induced cholesterol esterification in fibroblasts, $CaCo_2$ cells, macrophages and smooth muscle cells
O. Stein, M. Ben-Naim, Y. Dabach, G. Hollander and Y. Stein (Israel) 291

Distribution of alkyl and alkenyl ether-linked phospholipids and platelet-activating factor-like lipid in various species of invertebrates
T. Sugiura, T. Fukuda, T. Miyamoto and K. Waku (Japan) 298

Direct modification of low density lipoprotein by

the spin trap 3,5-dibromo-4-nitrosobenzene-sulfonic acid
B. Kalyanaraman, J. Joseph, N. Kondratenko and S. Parthasarathy (USA) 309

Lipophilic β-blockers inhibit monocyte and endothelial cell-mediated modification of low density lipoproteins
C. Mazière, M. Auclair and J.-C. Mazière (France) 314

The effects of the phospholipase A_2 inhibitors aristolochic acid and PGBx on A23187-stimulated mobilization of arachidonate in human neutrophils are overcome by diacylglycerol or phorbol ester
M.D. Rosenthal, K.S. Lattanzio and R.C. Franson (USA) 319

Diacylglycerol metabolism in neonatal rat liver: characterization of cytosolic diacylglycerol lipase activity and its activation by monoalkylglycerols
T. Xia and R.A. Coleman (USA) 327

Cumulative Contents, Vol. 1126 337

Author Index 340